

PRODUCT DATA SHEET

Pulmonary Surfactant-Associated Protein B Human HEK293

Cat. No.: RD172520100

Size: 0.1 mg

Source: HEK293

Type: Recombinant protein

Species: Human

Other Names:

Surfactant Protein B; SP-B; 18 kDa pulmonary-surfactant protein; 6 kDa protein; Pulmonary surfactant-associated proteolipid SPL (Phe); SFTP3; Surfactant, Pulmonary-Associated Protein B; SMDP1; SFTB3

Description:

Total 363 AA. MW: 40.4 kDa (calculated). UniProtKB acc. No. P07988 (Trp25–Leu381). C-terminal His-tag (6 extra AA). Protein identity confirmed by MS.

Amino Acid Sequence:

WTTSSLACAQ GPEFWCQSLE QALQCRAIGH CLQEVWGHVG ADDLCQECED IVHILNKMAK
EAI FQDTMRK FLEQECNVLP LKLLMPQCNO VLDDYFPLVI DYFQNTDSN GICMHLGLCK
SRQPEPEQEP GMSDPLPKPL RDPLPDPLLD KLVLPLVPGAL QARPGPHTQD LSEQQFPIPL
PYCWLCRALI KRIQAMIPKG ALAVAVAQVC RVVPLVAGGI CQCLAERYSV ILLDTLLGRM
LPQLVCRLVL RCSMDDSAGP RSPTGEWLPR DSECHLCMSV TTQAGNSSEQ AIPQAMLQAC
VGSWLDREKC KQFVEQHTPQ LLTLVPRGWD AHTTCQALGV CGTMSSPLQC IHSPDLHHHH HH

Purity:

> 90 % by SDS-PAGE

Endotoxin:

< 1.0 EU/μg

Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in phosphate buffered saline, 5% w/v trehalose pH 7.4.

Reconstitution:

Add 200 μl of deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

Storage/Stability:

Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

Quality Control:

BCA to determine quantity of the protein.
SDS PAGE to determine purity of the protein.
Endotoxin level determination.

Applications:

ELISA, Western blotting

Note:

This product is intended for research use only.